NITFS
Compliance Registration

Product: CIP v7.2a with TARS Imagery

Sponsor: USAF CIP Program Office

Developer Northrop Grumman Corporation

Date: 09 March 2010
Expiration 08 March 2012
Registration #: 1046

- ☑ Initial Registration
- ☐ Supplemental/Update #
- ☐ Derived from Reg. #

☑ **System**
N-0105/98, §4.1.1

☐ **Product**
N-0105/98, §4.1.2

☐ **Component**
N-0105/98, §4.1.3

Complexity Level

NITF 2.1 CLEVEL

	3	5	6	7
Interpret				
Generate				

NITF 2.0 CLEVEL

	1	2	3	4	5	6	Oth
Interpret							
Generate							

Configurations Tested:

- 2 Servers (A&B); Compaq ES45, 1250 MHz*4CPUs and Tru64 UNIX®V5.1B

** NITF 2.0 feature
* NITF 2.1 feature

NITFS Features Implemented:

Format
NITF
- ○ ● 2.1
- ○ ○ 2.0
- ○   1.1

NSIF
- ○ ○ 1.0

Pixel Value Types
- ○ ○ Boolean
- ○ ● Integer
- ○ ○ Signed Integer *
- ○ ○ IEEE Real *
- ○ ○ IEEE Complex *

Annotation Segment Types
- ○ ○ Bit Mapped **
- ○ ○ CGM, 2301
- ○ ○ CGM, 2301A
- ○ ○ Labels **

Text Segments
- ○ ○ STA
- ○ ○ UT1
- ○ ○ U8S
- ○ ○ MTF

Image Segment Types
- ○ ● MONO
- ○ ○ RGB
- ○ ○ RGB/LUT
- ○ ○ YCbCr
- ○ ○ MULTI
- ○ ○ NODISPLY
- ○ ○ POLAR

Image Compression
- ○ ● No compression
- ○ ● JPEG Lossy, 8-bit
- ○ ○ JPEG Lossy, 12-bit
- ○ ○ JPEG Downsample
- ○ ○ JPEG Lossless
- ○ ○ JPEG 2000
- ○ ○ Bi-Level
- ○ ○ Vector Quantization

Data Extension Segments
- ○ ○ TRE_OVERFLOW
- ○ ○ STREAMING_FILE_HEADER
- ○ ○ Controlled Extensions **
- ○ ○ Registered Extensions **

Tagged Record Extensions
- ○ ● - MTXFIL
- ○ ● - ICHIPB
- ○ ◉ - ASDEs

Legend

Interpret
Generate
- ● ● Fully implemented
- ◉ ◉ Partially implemented
- ○ ○ Not implemented

VALERIE BAKER, Lt Col, USAF, Division Chief Joint Interoperability Test Command Executive Agent to National Geospatial-Intelligence Agency for the NITFS Test and Evaluation Program

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.